IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

Attorney's Docket No.: UWS 102

Serial No.:

09/226,044

Filed:

January 5, 1999

For:

ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 C.F.R. §§ 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION:

University of Massachusetts

ADDRESS OF ORGANIZATION:

18 Tremont Street

Suite 800

Boston, Massachusetts 02108

TYPE OF ORGANIZATION:

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- [] TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- [] NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
- [] WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA
- [] WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. § 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled "Enhanced Transport Using Membrane Disruptive Agents" by Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy, Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter, described in

ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS
By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
U.S.S.N.: 09/226,044
Filed: January 5, 1999
VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

	erewith. 9/226,044, filed January 5, 1999, issued
-	under contract or law have been conveyed to and remain with gard to the above-identified invention.
or organization having rights to the held by any person, other than the under 37 C.F.R. § 1.9(c) if that per qualify as a small business concern C.F.R. § 1.9(e). *NOTE: Separat	approfit organization are not exclusive, each individual, concern to invention is listed below* and no rights to the invention are inventor, who would not qualify as an independent inventor rson made the invention, or by any concern which would not a under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 the verified statements are required from each named person, that to the invention averring to their status as small entities (37)
NAME University of Wash	ington
ADDRESS: 1107 N.E. 45 th Stre Seattle, Washington	
	SINESS CONCERN [X] NONPROFIT ORG.
status resulting in loss of entitleme	file, in this application or patent, notification of any change in ent to small entity status prior to paying, or at the time of or any maintenance fee due after the date on which status as a te (37 C.F.R. § 1.28(b)).
all statements made on information statements were made with the knot punishable by fine or imprisonment Code, and that such willful false st	tements made herein of my own knowledge are true and that an and belief are believed to be true; and further that these owledge that willful false statements and the like so made are at, or both, under section 1001 of Title 18 of the United States atements may jeopardize the validity of the application, any not to which this verified statement is directed.
NAME OF PERSON SIGNING:	Joseph F. X. McGuirl
	AN OWNER: Executive Director CVIP
ADDRESS OF PERSON SIGNIN	G: 365 PXantation Street, Suite 130, Worcester, MA 016
Jord XMIX	April 06, 1999
SIGNATURE	DATE

APR 1 9 1999 S CERTIFICATE UNDER

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Applicanes: ASIan S. Hoffman, Patrick Stayton, Oliver Press, David
Applicants: Applicants: Hoffman, Patrick Stayton, Oliver Press, David **TRADEM Tirrell, Niren Murthy, Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
Pierre D. Mourad, and Tyrone M. Porcer
Application No.: 09/226,044 Filed: <u>January 5, 1999</u>
For: ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS
University of Massachusetts a University
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:
A. [x] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
OR .
B. [] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
1. From: To:
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
. 2. From:
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
[] Additional documents in the chain of title are listed on a supplement sheet.
[] Copies of assignments or other documents in the chain of title are attached.
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.
I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and believe are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.
Date : April 06, 1999
Name : Joseph F. X. McGuirl
Title : Executive Director CVIP
Signature:

ASSIGNMENT

I, David Tirrell of 714 Arden Road, Pasadena, California 91106, in consideration of Ten Dollars and other valuable consideration paid to me by University of Massachusetts, a corporation of Massachusetts, having its principal place of business at 18 Tremont Street, Suite 800, Boston, Massachusetts 02108, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said University of Massachusetts, its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" described in U.S. Serial No. 09/226,044 filed in the United States Patent and Trademark Office on January 5, 1999, by Allan S. Hoffman, Patrick Stayton, Oliver W. Press, David Tirrell, Niren Murthy, Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad and Tyrone M. Porter, which claims priority to provisional application U.S. Serial No. 60/070,411 filed in the United States Patent and Trademark Office on January 5, 1998, by Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy, and Chantal Lackey, and in all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executor and administrator, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

 ${\bf Title:~"ENHANCED~TRANSPORT~USING~MEMBRANE~DISRUPTIVE~AGENTS"}$

By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed: January 5, 1999 ASSIGNMENT

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal	this 6 day of April , 1999.
	Lacia
	David Tirrell
STATE OF CALIFORNIA)) ss.
COUNTY OF) 33.
	the above named David Tirrell and acknowledged the ct and deed, before me, this day of, 1999.
	Notary Public
My Commission expires:	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	ss.
County of Los Angeles	J
On <u>6 April 1999</u> , before me,	Name and Title of Officer (e.g., "Jane Door Blotary Public") rell Name(s) of Signer(s)
personally appeared David Ti	rre // Name(s) of Signer(s)
	☐ personally known to me ☐ proved to me on the basis of satisfactory evidence
JUILE C. HIROTO Commission #1085160 Notary Public — California Los Angeles County My Comm. Expires Jan 31,2000	to be the person(*) whose name(*) (*) subscribed to the within instrument and acknowledged to me that he she/they executed the same in his her/their authorized capacity(ies), and that by his her/their signature(*) on the instrument the person(*), or the entity upon behalf of which the person(*) acted, executed the instrument.
Place Notary Seal Above	WITNESS my hand and official seal. Signature of Notatry Public
Though the information below is not required by	OPTIONAL law, it may prove valuable to persons relying on the document
and could prevent fraudulent removal Description of Attached Document Title or Type of Document:	and reattachment of this form to another document.
Document Date: 6 April 199	Number of Pages: 100
Signer(s) Other Than Named Above:	ne
Capacity(ies) Claimed by Signer Signer's Name:	RIGHT THUMBPRINT
☐ Individual	OF SIGNER Top of thumb here
Corporate Officer — Title(s):	
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact☐ Trustee	
☐ Guardian or Conservator	
Other:	
Signer Is Representing:	

IPR 1 9 1999 22

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Applicants: April Applicants:
'RADEMATITEELL, Niren Murthy, Chantal Lackey, Lawrence A. Crum,
Pierre D. Mourad, and Tyrone M. Porter
Application No.: 09/226,044 Filed: <u>January 5, 1999</u>
For: ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS
University of Washington a University
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:
A. [x] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
OR .
B. [] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
1. From: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
2. From: To: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
[] Additional documents in the chain of title are listed on a supplement sheet.
[] Copies of assignments or other documents in the chain of title are attached.
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.
I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and believe are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.
Date :
Name : Karen L. Deyerle, Ph.D.
Title : Technology Manager, Health Sciences
Signature:

ASSIGNMENT

We, Allan S. Hoffman of 7508 56th Avenue, N.E., Seattle, Washington 98115. Patrick Stayton of 8344 25th Avenue, N.W., Seattle, Washington 98117, Oliver W. Press of 11018 Exeter Avenue, N.E., Seattle, Washington 98125, Niren Murthy of 4131 11th Avenue, Apt. #303, Seattle, Washington 98105, Chantal Lackey of 8809 23rd Avenue, N.E., Apt. 3, Seattle, Washington 98118, Lawrence A. Crum of 4662 175th Avenue, S.E., Bellevue, Washington 98006, Pierre D. Mourad of 109 N.W. 49th Street, Seattle, Washington 98107, and Tyrone M. Porter of 4733 17th Avenue, N.E., Apt. #26, Seattle, Washington 98105, in consideration of Ten Dollars and other valuable consideration paid to us by the University of Washington, a Corporation of Washington, having its principal place of business at 1107 NE 45th Street, Seattle, Washington 98105-4631, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said University of Washington its successors and assigns, the entire interest for the United States of America and its territories and all foreign countries and jurisdictions including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" described in U.S. Serial No. 09/226,044 filed in the United States Patent and Trademark Office on January 5, 1999, by Allan S. Hoffman, Patrick Stayton, Oliver W. Press, David Tirrell, Niren Murthy, Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter, which claims priority to provisional application U.S. Serial No. 60/070,411 filed in the United States Patent and Trademark Office on January 5, 1998, by Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy, and Chantal Lackey, and in all Letters Patent of the United States of America and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuation, continuation-in-part, renewals, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this	155	day of	Marc	Q_	_, 1999
	<u> </u>	Vaio		Q.	
		A	llan S. Hoffm	g'n	
STATE OF WASHINGTON) ss.			HOTARY	15	
COUNTY OF KING)			AUBLIC 8 200		
Then personally appeared the abo			A	acknowle	_
the foregoing instrument to be his free action, 1999.	ct and dec	ed, before	me, this\	da	y of
		Ania	du Ma	John	
	'	\mathcal{I}	Notary Publi	c	
My Commission expires: Nou 8	200	—			

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

WITNESS my hand and seal this 76 day of March, 1999.
Patrick Stayton
STATE OF WASHINGTON)) ss.
COUNTY OF)
Then personally appeared the above named Patrick Stayton and acknowledged the foregoing instrument to be his free act and deed, before me, this 26 day of Notary Public
My Commission expires: Nov 8, 2000
AUBLIC 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

WITNESS my hand and seal this 23th day of Felerway, 1999.

COUNTY OF Ss.

Then personally appeared the above named Oliver W. Press and acknowledged the foregoing instrument to be his free act and deed, before me, this 23th day of South Lawy, 1999.

Commission expires: May /, 2002

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

WITNESS my hand a	and seal this day of $3-2$, 1999.
	Niren Murthy	
STATE OF WASHINGTON)) ss.	·
COUNTY OF) 55.	
	ed the above named Niren Murthy and acknowl her free act and deed, before me, this 1999. Notary Public	
My Commission expires:	1008,2000	181MILLANIA
		Act

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

WITNESS my hand and seal th	his _	9	day of Floruay, 1999.
		Ch	Chantal Lackey
STATE OF WASHINGTON)	ss.	
Then personally appeared the abo foregoing instrument to be kis/her free a FEBRUARY , 1999.			Chantal Lackey and acknowledged the d, before me, this <u>Q + Q</u> day of
	-)	Notary Public in + for the
My Commission expires: 12-03-01			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
			WWW. OGJANOS

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS"
By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

WITNESS my hand and seal this 3rd day of Fehruary, 1999.

Cecese

Lawrence A. Crum

STATE OF WASHINGTON
) ss.

COUNTY OF (NG)

Then personally appeared the above named Lawrence A. Crum and acknowledged the foregoing instrument to be his free act and deed, before me, this 3RD day of 1999.

Notary Public

My Commission expires: 10 28 0

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
U.S.S.N.: 09/226,044

Filed January 5, 1999 ASSIGNMENT

	2 rd - 1
WITNESS my hand and seal th	is day of Jermany, 1999.
	Topa Jan
	Pierre D. Mourad
STATE OF WASHINGTON)) ss.
COUNTY OF KING)
Then personally appeared the above	ve named Pierre D. Mourad and acknowledged
the foregoing instrument to be his free action, 1999.	
	Luda M Marsh
1	Notary Public
My Commission expires: 10 28	01

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS" By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,

Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

U.S.S.N.: 09/226,044 Filed January 5, 1999 ASSIGNMENT

WITNESS my hand and seal this day of february, 1999.

Tyrone M. Porter

STATE OF WASHINGTON
) ss.

COUNTY OF Ss.

Then personally appeared the above named Tyrone M. Porter and acknowledged the foregoing instrument to be his free act and deed, before me, this day of the COUNTY, 1999.

Notary Public

My Commission expires:



As a below tarned the ventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS the specification of which (check one) is attached hereto X was filed on January 5, 1999 as application Serial No. and was amended on: (if applicable) I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. **Priority** Claimed Prior Foreign Application(s) (Number) (Country) (Day/Month/Year Filed) (Day/Month/Year Filed) (Number) (Country) (Day/Month/Year Filed) (Number) (Country) I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below: Provisional Application Number Filing Date 5/1/98 (Day/Month/Year Filed) (Number) (Day/Month/Year Filed) (Number)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Day/Month/Year Filed)

(Number)

Title: "ENHANCED TRANSPORT USING MEMBRANE DECLE EVE AGENTS"

By: Allan S. Hoffman, Patrick Stayton, Oliver W. Press, David Tirrel, Niren Murthy, Chantal Lackey, Lawrence Crum, Pierre Mourad, Ty. Confediganuary 5, 1999

DECLARATION

(Application Serial No.)

(Filing Date)

(ripplication berial 170.)	(9 2)		(patented, pending	;, abandoned)		
(Application Serial No.)	(Filing Date)		Status (patented, pending, abandoned)			
As named inventor, I he all business in the Patent and Tr	ereby appoint the following ademark Office connected	ng attorney(s) an d therewith.	d/or agent(s) to prosect	ite this application and tr	ansact	
	Patrea L. Pabst Collen A. Beard Robert A. Hodges Kevin W. King	31,284 38,824 41,074 42,737				
Send Correspondence to: Patres	a L. Pabst, Esq. ARNALL GOLDEN & G 2800 One Atlantic Ce 1201 W. Peachtree St Atlanta, GA 30309-3	nter reet		·		
Direct telephone calls to: Patre	a L. Pabst (404) 873-879	4				
I hereby declare that al information and belief are belie statements and the like so made States Code and that such willfu	are punishable by fine of al false statements may jec	er that these state r imprisonment, opardize the valid	ments were made with i or both, under Section 1	one knowledge that willing the Un	na	
Full name of sole or first invent	or <u>Allan S. Hoff</u>	Wards	offine.	Date 3/1	199	
Inventor's signature Residence 4528 West Laure	SEYNAV NE Drive N.F. Seattle, Wash	nington 98105/	98115			
Citizenship U.S.	Dilve, 14.B., Goway,				·	
Post Office Address Same						
Full name of sole or first invent	or Patrick Stayt	on				
Inventor's signature				Date		
Residence 8344 25th Avenue	e, N.W., Seattle, Washingt	on 98117				
Citizenship U.S.						
Post Office Address Same						
Full name of sole or first invent	tor Oliver W. Pr	ess				
Inventor's signature	···			Date		
Residence 11018 Exeter Ave	enue. N.E., Seattle, Washi	ngton 98125				
Citizenship U.S.						
Post Office Address Same						
787939+1					UWS 10 21006/	

Status

Title: "ENHANCED TRANSPORT USING MEMBRANE D By: Allan S. Hoffman, Patrick Stayton, Oliver W. Press, Day Tirrel, Niren Murthy, Chantal Lackey, Lawrence Crum, Pierre Mourad, Ty. Onto Filed: January 5, 1999 DECLARATION

(Application Serial No.)	(Filing Date)	Status (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	Status (patented, pending, abandoned)
As named inventor, I all business in the Patent and	hereby appoint the following attorne Trademark Office connected therewit	ey(s) and/or agent(s) to prosecute this application and transact th.
	Patrea L. Pabst 31,28 Collen A. Beard 38,82 Robert A. Hodges 41,07 Kevin W. King 42,73	24 74
Send Correspondence to: Pat	rea L. Pabst, Esq. ARNALL GOLDEN & GREGORY 2800 One Atlantic Center 1201 W. Peachtree Street Atlanta, GA 30309-3450	LLP
Direct telephone calls to: Pat	rea L. Pabst (404) 873-8794	
statements and the like so ma States Code and that such wi	de are punishable by fine or imprison lful false statements may jeopardize the	se statements were made with the knowledge that willful false ament, or both, under Section 1001 of Title 18 of the United the validity of the application or any patent issued thereon.
		Date
Pasidones 4528 West Lau	rel Drive N.F. Seattle Washington 9	8105
Full name of sole or first inventor's signature Residence 8344 25th Aver		M Date 3/26/99
		<u> </u>
	e	·
Full name of sole or first inve	entor Oliver W. Press	Date
Inventor's signature	NT Coully Washington QQ	Date
	Avenue, N.E., Seattle, Washington 98	120
Citizenship <u>U.S.</u>		
Post Office Address San	ie	

UWS 10: 21006/1 Title: "ENHANCED TRANSPORT USING MEMBRANE D. "Press, D. Tirrel, Niren Murthy, Chantal Lackey, Lawrence Crum, Pierre Mourad, Tyres, Direct, Niren Murthy, Chantal Lackey, Lawrence Crum, Pierre Mourad, Tyres, Direct, Pied: January 5, 1999
DECLARATION

(Application Serial No.)	(Filing Date)		Status (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)		Status (patented, pending, abandoned)
As named inventor, I all business in the Patent and T	hereby appoint the followi Frademark Office connecte	ng attorney(s) and d therewith.	d/or agent(s) to prosecute this application and transact
	Patrea L. Pabst Collen A. Beard Robert A. Hodges Kevin W. King	31,284 38,824 41,074 42,737	
Send Correspondence to: Patr	rea L. Pabst, Esq. ARNALL GOLDEN & C 2800 One Atlantic Ce 1201 W. Peachtree SI Atlanta, GA 30309-	enter reet	
Direct telephone calls to: Patr	rea L. Pabst (404) 873-879	14	
information and belief are bel	ieved to be true; and furthe	er that these states	rledge are true and that all statements made on ments were made with the knowledge that willful false or both, under Section 1001 of Title 18 of the United lity of the application or any patent issued thereon.
Full name of sole or first inver			
Inventor's signature	ntorAllalt 3. Hon	man	Date
nventor's signature			
	al Drive N.F. Seattle Was	hington 98105	
	el Drive, N.E., Seattle, Was	hington 98105	
Citizenship <u>U.S.</u>	el Drive, N.E., Seattle, Was	hington 98105	
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Citizenship <u>U.S.</u> Post Office Address <u>Same</u>	el Drive, N.E., Seattle, Was	hington 98105	
Citizenship <u>U.S.</u> Post Office Address <u>Same</u> Full name of sole or first investigations.	el Drive, N.E., Seattle, Was	hington 98105	Duta
Citizenship <u>U.S.</u> Post Office Address <u>Same</u> Full name of sole or first inventor's signature	el Drive, N.E., Seattle, Was	hington 98105	Date
Citizenship U.S. Post Office Address Same Full name of sole or first inventor's signature Residence 8344 25th Aven	el Drive, N.E., Seattle, Was ntorPatrick Stay ue, N.W., Seattle, Washing	hington 98105 ton 98117	Date
Citizenship U.S. Post Office Address Same Full name of sole or first inventor's signature Residence 8344 25th Aven Citizenship U.S.	ntorPatrick Staytue, N.W., Seattle, Washing	hington 98105 ton 98117	Date
Citizenship U.S. Post Office Address Same Full name of sole or first inventor's signature Residence 8344 25th Aven Citizenship U.S.	el Drive, N.E., Seattle, Was ntorPatrick Stay ue, N.W., Seattle, Washing	hington 98105 ton 98117	Date
Citizenship U.S. Post Office Address Same Full name of sole or first inventor's signature Residence 8344 25th Aven Citizenship U.S. Post Office Address Same	ntorPatrick Staytue, N.W., Seattle, Washing	ton 98117	Date
Citizenship	ntorPatrick Stay	ton 98117	Date
Citizenship U.S. Post Office Address Same Full name of sole or first inventor's signature Residence 8344 25th Aven Citizenship U.S. Post Office Address Same	ntorPatrick Stay	ton 98117	Date

UWS 10: 21006/1

Post Office Address ____

Same

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS"
By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
U.S.S.N.: 09/226,044
Filed: January 5, 1999
DECLARATION



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Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS"
By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
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filed: January 3, 1999
DECLARATION



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Residence 3801 Brooklyn Avenue	Apt. 14100, Scattle, Washington 98105 4131 11th Ave Ap	t 4303
Citizenship United States of America	са	
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Citizenship United States of America	ca	
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	<u> </u>	_ Date
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Citizenship United States of Americ	ca ·	
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Full name of sole or first inventor	Tyrone M. Porter	
Inventor's signature		_ Date
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Citizenship United States of Americ	a	
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Title: "ENHANCED TRANSPORT USING MEMBRANE E BY AGENTS"

By: Allan S. Hoffman, Patrick Stayton, Oliver W. Press, Firrel, Niren Murthy, Cluantal Lackey, Lawrence Crum, Pierre Mourad, Ty Filed: January 5, 1999

DECLARATION

Full name of sole or first inventor David Tirrell	
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Full name of sole or first inventor Niren Murthy	
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	•
Full name of sole or first inventor Chantal Lackey	Date 2/16/99
Inventor's signature Chantal Lally	Batc_briotic
Residence 8809 23rd Avenue, N.E., Apt. 3, Scattle, Washington 98118	
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Citizenship U.S.	<u> </u>
Post Office Addresssame	



DISRUPTIVE AGENTS

Title: "ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS"
By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
U.S.S.N.: 09/226,044
Filed: January 5, 1999
DECLARATION



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·		
Full name of sole or first inventor Lav	wrence A. Crum	Non-
Inventor's signature	wrence A. Crum	Date 202/09
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Full name of sole or first inventor Pre	rre [f. Movrad]	
Inventor's signature	y The St	Date 2 23 99
Residence 109 N.W. 49th Street, Seattle,	Washington 98107	
Citizenship United States of America		
Post Office Address109 N.W. 49th Street, S	Seattle, Washington 98107	
Full name of sole or first inventor Tyr	one M. Porter	
Inventor's signature ywww //	Patrick	Date 2/23/57
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Citizenship United States of America		
Post Office Address 4733 17th Ave NE, Apt.	. 26, Seattle, WA 98105	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy, Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter

Attorney's Docket No.: UWS 102

Serial No.:

09/226,044

Filed:

January 5, 1999

For:

ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 C.F.R. §§ 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit. organization identified below:

NAME OF ORGANIZATION:

University of Washington

ADDRESS OF ORGANIZATION: 1107 N.E. 45th Street

Seattle, Washington 98105-4631

TYPE OF ORGANIZATION:

$\mathbf{v}_{\mathbf{l}}$	UNIVERSITY O	D OTHER	INSTITUTION (OF HIGHER	FDUCATION
$\Delta \mathbf{I}$	UNIVERSITY	K OTHEK	TINDITION (EDUCATION

- TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE [] OF STATE OF THE UNITED STATES OF AMERICA
- WOULD OUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA
- WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. § 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled "Enhanced Transport Using Membrane Disruptive Agents" by Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy, Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter, described in

ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS
By: Allan S. Hoffman, Patrick Stayton, Oliver Press, David Tirrell, Niren Murthy,
Chantal Lackey, Lawrence A. Crum, Pierre D. Mourad, and Tyrone M. Porter
U.S.S.N.: 09/226,044
Filed: January 5, 1999
VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

[] the specification filed herewith.	
[X] application serial no. 09/226,044, filed J	anuary 5, 1999.
[] patent no, issued _	

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 C.F.R. § 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 C.F.R. § 1.9(d) or a nonprofit organization under 37 C.F.R. § 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities (37 C.F.R. § 1.27).

NAME	University of Massachusetts
ADDRESS:	18 Tremont Street Suite 800
	Boston, Massachusetts 02108

[] INDIVIDUAL [] SMALL BUSINESS CONCERN [X] NONPROFIT ORG.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 C.F.R. § 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Code, and that such willful false statements may jeopardize the validity of the application, as	ny
patent issuing thereon, or any patent to which this verified statement is directed.	
NAME OF PERSON SIGNING: Karen L. Dey	erle, Ph.D.
TITLE OF PERSON OTHER THAN OWNER: Technology Manager, Health Sc	iences
ADDRESS OF PERSON SIGNING: 1107 NE 45th St., Suite 200 Seattle,	
March 26, 1999	4631
SIGNATURÉ DATE	•